ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Evan Winston	15 MAR01	01-0229	—	(301) 925-0348	2013	DEV/CO

8. CCR Title: TE 5B.07_PDPS.01 to DAACs, PVC & VATC. Provides fix for 30066, 28040 & others to PLANG,PRONG,and EcDpPrEM.

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 3/14/01
3/14/01	II	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 28).
for Vic Ohi 3/14/01	Other	Emergency

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected:
None	None	DPS,PLS

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
5B		None - Under 100K

22. Source Reference: ☒NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:
NCR 28040 (reported in 5B.07_DPS.01 3/12/01), 30066, 29629, 29503, 29913.

23. Problem: (use additional Sheets if necessary)
30066 Changed PlNotification.C,.h,.ic to create an insertionTime data member.Changed the table retrieval method to retrieve record from the PlNotification table sorted by insertion time. 28040: Fixed the code to allow concurrent staging of common input granules.
29503 Modified DpPrDSSInterface::AcquireOneGranuleFromSDSRV to correctly test for MOD000 Granules and acquire at VHigh only for these granules.
29629: Corrects template modification problem when more than one entry existed for a DEM file.
29913: Added a line to specify the macine in addition to fileName and UR.

24. Proposed Solution: (use additional sheets if necessary)
This TE provides correction for the NCRs listed above. This TE must be loaded on top of 5B.07 systems. replaces 5B.07_DPS.01

This TE is required at GSFC and LaRC, other sites install as needed.

25. Alternate Solution: (use additional sheets if necessary)
None.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
PDPS problems will continue to affect DAACs, PVC, VATC.

27. Justification for Emergency (If Block 15 is "Emergency"):
Corrects items on ECS top priority list.

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☒EDC ☒GSFC ☒LaRC ☒NSIDC ☒SMC ☐AK ☐JPL ☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): 3/15/2001	**Disposition:** (Approved) App/Com. Disapproved Withdraw Fwd/ESDIS ERB
33. M&O CCB Chair (Sign/Date): 3/14/2001	**Disposition:** (Approved) App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB

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ADDITIONAL SHEET

CCR #: 01-0229 **Rev:** ~ **Originator:** Evan Winston

Telephone: x0348 **Office:** 2013

Title of Change: TE 5B.07_PDPS.01 to DAACs, PVC & VATC. Provides fix for 30066, 28040 & others to PLANG,PRONG,and EcDpPrEM.

CONTENT:
CM: PLEASE,

TE "5B.07_PDPS.01" This is a SUN Tar file and consists of the following packages from the 5B.07 (5B6A) baseline.
Packages from /ecs/formal/PDPS/DPS/PRONG:

.EcDpPrPLNMGMTWS.pkg
.EcDpPrQUESRVR.pkg

Package from /ecs/formal/PDPS/DPS/SSIT

.EcDpAITWS.pkg

Packages from /ecs/formal/PDPS/PLS

.EcPlODPRM.pkg
.EcPlPLNMGMTWS.pkg
.EcPlQUESRVR.pkg

SMC: Receive the TAR file and make available to the DAACs .

Install Instructions:
TE is to be loaded on top of PDPS installations of 5B.07. This supercedes 5B.07_DPS.01
This TE is required at GSFC and LaRC, other sites install as needed.

INSTALLATION:

1. Get TAR Files from SMC distribution;

2. UNTAR the files and copy to the staging area. UNTAR the files and copy to the staging area using the Setup.ksh file.

3. On a SUN host, use E.A.S.I. to perform automated installation of the .EcDpAITWS.pkg and the all the other listed packages as follows:

a. Select the Mode to be installed
b. Enter the location of the staged files
c. Select CUSTOM and Click Next
d. Select the "Subsystem" entry in the "Sort By" box.
e. Expand the tree down by the DPS icon and then by holding the shift key select the EcDpAt icon and the PRONG icon as well..
Also expand down the PLS icon and select the PLS package icons
f. You should have Selected all the .pkg packages listed above; Click Next.
g. Select Install as the Installation Phase and Click Next
h. Select STAGE as the Source File Location . Click Next
i. Review the packages and hosts as displayed to ensure that they are going to be installed appropriately. Click Next
j. Click COMM and ensure all DPS Sun hosts and PLS SUN hosts turn green, signaling they are communicating with ECS E.A.S.I.

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k. Click INSTALL and monitor each host. Ensure each DPS Sun host and PLS hosts turns green signaling a successful installation.

l. No Database updates are required.

ECSed30066 Summary of all NCR fixes:

Changed PINotification.C,.h,.ic to create an insertionTime data member. Changed the table retrieval method so that when checking for failed/internal dynamic notifications, it will retrieve records from the PINotification table sorted by insertion time.

Files in Task:
/ecs/formal/PDPS/PLS/PLANG/src/SubsMgr/PINotification.C
/ecs/formal/PDPS/PLS/PLANG/src/SubsMgr/PINotification.h
/ecs/formal/PDPS/PLS/PLANG/src/SubsMgr/PINotification.iC
/ecs/formal/PDPS/PLS/PLANG/src/SubsMgr/PISubscriptionManager.C
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrDataManager.C
Merge # M010309004
Build Impact:
SubMgr and DataMgr executables
Test Instructions for Checkout Lab:
Run the Modis scenario and, after the MOD PGE01 has produced the dynamic inputs for PGE02, check the "Checking For Failed Notifications" thread in the SubMgr debug log to ensure that the notifications are being processed in order of insertion time.

ECSed28040 Summary of all NCR fixes:

Fixed the code to allow concurrent staging of common input granules.

Files in Task:
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrDataManager.C
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrDataManager.C
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrDataManager.h
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrFile.C
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrGranuleLocator.C
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrGranuleLocator.C
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrGranuleLocator.h
Build Impact:
/ecs/formal/PDPS/DPS/lib/sun5.5/DpPrDM.a
/ecs/formal/PDPS/DPS/bin/sun5.5/EcDpPrEM
Test Instructions for Checkout Lab:
Run an ASTER and MODIS regression test - verify common input granules are staged concurrently.

ECSed29503 Summary of all NCR fixes:

Modified DpPrDSSInterface::AcquireOneGranuleFromSDSRV to correctly test for MOD000 Granules and acquire at VHigh only for these granules

Files in Task:
/ecs/formal/PDPS/DPS/PRONG/src/DssIF/DpPrDSSInterface.C
/ecs/formal/PDPS/DPS/PRONG/src/DssIF/DpPrDssStubs.C
/view/dsims_vh295035B/ecs/formal/PDPS/DPS/PRONG/src/DssIF/DpPrDSSInterface.C
Build Impact:
EcDpPrEM
Test Instructions for Checkout Lab:
Run Modis and Aster scenarios.
Verify on the DDIST GUI that only MOD000 is acquired at VHigh priority

ECSed29629 Summary of all NCR fixes:

Corrects template modification problem when more than one entry existed for a DEM file.

Files in Task:
/ecs/formal/PDPS/DPS/PRONG/src/ExecMgmt/DpPrPcf.cxx
/ecs/formal/PDPS/DPS/PRONG/src/ExecMgmt/DpPrPcf.cxx
Build Impact:
/ecs/formal/PDPS/DPS/lib/sun5.5/DpPrEM.a
/ecs/formal/PDPS/DPS/bin/sun5.5/EcDpPrEM
Test Instructions for Checkout Lab:
Run ASTER and MODIS regression tests and verify that entries are correctly generated in the PCF.

ECSed29913 Summary of all NCR fixes:
Added a line to specify the macine in addition to fileName and UR

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Files in Task:
/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrDataManager.C
/view/pacharya_NCR29913_5B/ecs/formal/PDPS/DPS/PRONG/src/DataMgmt/DpPrDataManager.C
Build Impact:
EcDpPrEM
Instructions for Checkout Lab:
Run aster or modis with this fix

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